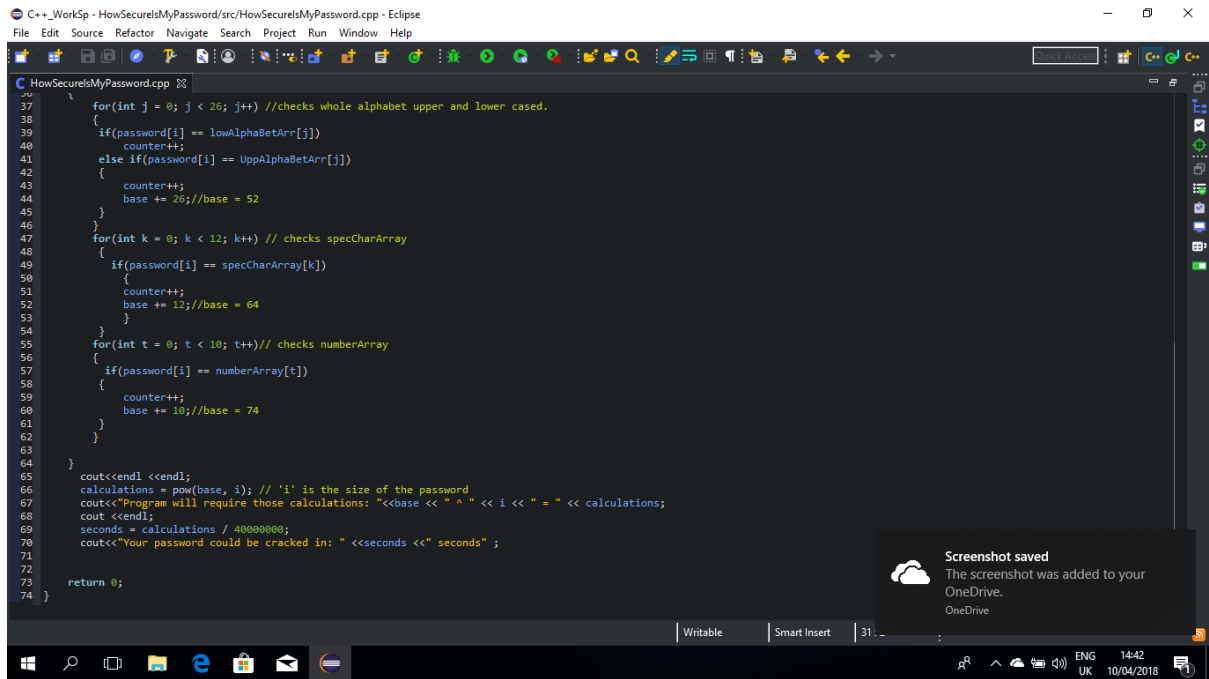


Task2:How secure is My Password?

I developed a simple program that checks how strong is a password and outputs the time, in seconds, that it could be cracked. This program is developed in C++ in eclipse platform.



```
37     for(int j = 0; j < 26; j++) //checks whole alphabet upper and lower cased.
38     {
39         if(password[i] == lowAlphaBetArr[j])
40             counter++;
41         else if(password[i] == UppAlphaBetArr[j])
42         {
43             counter++;
44             base += 26; //base = 52
45         }
46     }
47     for(int k = 0; k < 12; k++) // checks specCharArray
48     {
49         if(password[i] == specCharArray[k])
50         {
51             counter++;
52             base += 12; //base = 64
53         }
54     }
55     for(int t = 0; t < 10; t++) // checks numberArray
56     {
57         if(password[i] == numberArray[t])
58         {
59             counter++;
60             base += 10; //base = 74
61         }
62     }
63 }
64 }
65 cout<<endl<<endl;
66 calculations = pow(base, i); // 'i' is the size of the password
67 cout<<"Program will require those calculations: "<<base << " ^ " << i << " = " << calculations;
68 cout<<endl;
69 seconds = calculations / 400000000;
70 cout<<"Your password could be cracked in: " <<seconds <<" seconds" ;
71
72
73
74 }

return 0;
```

Screenshot saved
The screenshot was added to your OneDrive.

The program is easy to understand and there are comments that explains almost every functionality.

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